



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(54) Title: THERMOPLASTIC POLYMER BLENDS OF ISOTACTIC POLYPROPYLENE AND ALPHA-OLEFIN/PROPYLENE COPOLYMERS</p> <p>(57) Abstract</p> <p>Thermoplastic polymer blend compositions comprising an isotactic polypropylene component and an alpha-olefin and propylene copolymer, said copolymer comprising crystallizable alpha-olefin sequences. In a preferred embodiment, improved thermoplastic polymer blends are provided comprising from about 35 % to about 85 % isotactic polypropylene and from about 30 % to about 70 % of an ethylene and propylene copolymer, wherein said copolymer comprises isotactically crystallizable propylene sequences and is predominantly propylene. The resultant blends manifest compatibility characteristics, increased tensile strength, and improved process characteristics, e.g., a single melting point.</p>			

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 98/09802

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 C08L23/10 C08L23/12 C08L23/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 342 647 A (SHELL INT RESEARCH) 3 January 1974 see claim 1	1
X	US 3 998 911 A (STRAMETZ HELMUT ET AL) 21 December 1976 see claim 3	1
A	EP 0 550 214 A (EXXON RESEARCH ENGINEERING CO) 7 July 1993 see the whole document	1-30
A	US 4 461 872 A (SU AARON C L) 24 July 1984 cited in the application see the whole document	1-30
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Information on patent family members

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